

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 78-96

NPDES PERMIT NO. CA0005380

WASTE DISCHARGE REQUIREMENTS FOR:

BASALT ROCK COMPANY, INC.  
SAN RAFAEL PLANT, AND  
TIDEWATER SAND AND GRAVEL COMPANY  
MARIN COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter Board), finds that:

1. Tidewater Sand and Gravel Company and Basalt Rock Company, Inc. (hereinafter dischargers), by application dated September 5, 1978, have applied for waste discharge requirements and a permit to discharge wastes under the National Pollution Discharge Elimination System.
2. Tidewater Sand and Gravel Company proposes to use Bay water to hydraulically off-load sand from its barge to Basalt Rock Company property. The wastewater from this operation will flow through a 5.2 acre-foot settling pond and be discharged on the shoreline of San Pablo Strait, a water of the United States, at a point located at 37°58'57" longitude and 122°27'09" latitude.
3. The report of waste discharge describes the proposed discharge as follows:  
  
Maximum daily flow 200,000 gallons per day  
Maximum annual flow 30,000,000 gallons per year  
  
Sand delivery is estimated to occur 27 days per year.
4. A Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) was adopted by the Board in April 1975. The Basin Plan contains water quality objectives for San Francisco Bay.
5. The beneficial uses of San Francisco Bay are:
  - a. Industrial Service Supply
  - b. Navigation
  - c. Water Contact Recreation
  - d. Non-Contact Water Recreation
  - e. Commercial and Sport Fishing
  - f. Wildlife Habitat
  - g. Perservation of Habitat for Rare and Endangered Species
  - h. Marine Habitat
  - i. Fish Migration
  - j. Fish Spawning
  - k. Shellfish Harvesting
6. This project is exempt from the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code (CEQA) pursuant to Section 13389 of the California Water Code.

7. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
8. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that the dischargers in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Effluent Limitations

1. The discharge of an effluent containing constituents in excess of the following limits is prohibited:

<u>Constituent</u>	<u>Unit</u>	<u>30-day Average</u>	<u>Maximum Daily</u>
Settleable matter	ml/l-hr	0.2	1.0
Suspended solids	mg/l		45

2. The discharge shall not have a pH of less than 6.5 nor greater than 8.5.

B. Receiving Water Limitations

1. The waste discharge shall not cause:
  - a. Visible, floating, suspended, or deposited oil or other products of petroleum origin in water of the United States at any place;
  - b. Floating, suspended, or deposited macroscopic particulate matter or foam, in water of the United States at any place;
  - c. Bottom deposits or aquatic growths at any place;
  - d. Alteration of apparent color beyond present natural background levels in water of the United States at any place;
  - e. Increased turbidity above background levels in water of the United States at any place by more than the following:

<u>Receiving Water Background</u>	<u>Incremental Increase</u>
< 50 units (JTU)	5 units, maximum
50-100 units	10 units, maximum
> 100 units	10% of background, maximum

- f. Variation from natural ambient pH by more than 0.2 pH units at any place in water of the United States.
  - g. Toxic or other deleterious substances to be present in water of the United States in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.
- 2. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Water Pollution Control Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.
  - 3. The discharge of waste shall not cause the following limit to be exceeded in water of the United States in any place within one foot of the water surface:  
  
Dissolved oxygen 5.0 mg/l minimum. Annual median - 80% saturation. When natural factors cause lesser concentration(s) than those specified above, then this discharge shall not cause further reduction in the concentration of dissolved oxygen.

#### C. Prohibitions

- 1. The bypassing of treatment facilities and discharge of untreated waste to water of the United States is prohibited.
- 2. The discharger is prohibited from receiving sand hydraulically off-loaded from barges which result in a waste discharge other than the one discharge covered by this Order.

#### D. Provisions

- 1. This permit includes the attached "Standard Provisions, Reporting Requirements, and Definitions," dated April 1977 except for items 5 and 16 of Section A and item 2 of Section B.
- 2. The discharger shall maintain a minimum freeboard of 2 feet in the settling pond.
- 3. The discharger shall maintain a minimum dissolved oxygen concentration of 2 mg/l in the settling pond.
- 4. The discharger shall file with the Board technical reports on self-monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Program as directed by the Executive Officer.
- 5. This Order expires on November 1, 1983 and the dischargers must file a Report of Waste Discharge in accordance with Title 23, California

Administrative Code, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.

This Order shall serve as a National Pollution Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act or amendments thereto, and shall be come effective 30 days after date of its adoption provided the Regional Administrator, Environmental Protection Agency, has no objection. If the Regional Administrator objects to its issuance, the permit shall not become effective until such objection is withdrawn.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on November 21, 1978.

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FRED H. DIERKER  
Executive Officer

Attachments:

Standard Provisions, Reporting  
Requirements, and Definitions  
dated April 1977

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM  
FOR

TIDEWATER SAND AND GRAVEL COMPANY AND

BASALT ROCK COMPANY, INC.,

NPDES NO. CA0005380

ORDER NO. 78-96

CONSISTS OF

PART A

AND

PART B

PART B

## DESCRIPTION OF SAMPLING STATIONS & SCHEDULE OF SAMPLING, ANALYSES, & OBSERVATIONS

A. EFFLUENT

<u>Station</u>	<u>Description</u>
E-001	At any point in the outfall between the point of discharge and the point at which all waste tributary to that outfall is present. (LONG 37°/58'/57" LAT 122°/27'/09").

## B. RECEIVING WATERS

<u>Station</u>	<u>Description</u>
C-R	At a point in San Pablo Bay located in an area unaffected by natural or man-made discharges, along the shoreline, and approximately 500 feet upcurrent from the point of discharge.
C-1	At a point in San Pablo Bay located at the point of discharge. (LONG 37°/58'/57" LAT 122°/27'/09").

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth by this Regional Board in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. \_\_\_\_\_ and NPDES No. CA0005380.
2. The following portions of Part A are not applicable to this Self-Monitoring Program:  
  
C-3, 4, 5-a-(4), and 5-c  
D-1  
E-2 -b, 2-c, and 4.
3. The discharger has agreed to the self-monitoring program.
4. Has been ordered by the Executive Officer on \_\_\_\_\_ and becomes effective immediately.
5. May be reviewed at any time subsequent to the effective date upon written notice from either the Executive Officer or request from the discharger, and revisions will be ordered by the Executive Officer.

FRED H. DIERKER  
Executive Officer

SELF-MONITORING PROGRAM - NPDES #CA0005380

LEGEND:      Frequency:    D = daily, continuous during discharge  
                               W = weekly, during period of maximum discharge  
                               M = monthly,       "       "       "       "       "

Cont = continuous